

Title (en)

OPTICAL RESPONSE MEASURING DEVICE AND OPTICAL RESPONSE MEASURING METHOD

Title (de)

VORRICHTUNG ZUR MESSUNG DER OPTISCHEN ANTWORT UND VERFAHREN ZUR MESSUNG DER OPTISCHEN ANTWORT

Title (fr)

DISPOSITIF DE MESURE DE RÉPONSE OPTIQUE ET PROCÉDÉ DE MESURE DE RÉPONSE OPTIQUE

Publication

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Application

EP 15848227 A 20151005

Priority

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Abstract (en)

[origin: EP3206014A1] The optical response measuring device 100 of a certain embodiment of the present invention is provided with a light source 122, first and second wavelength conversion elements 126 and 164, and a light intensity sensor array 168. The light source generates a pair of light beams including light beams of first and second wavelengths, and the first wavelength conversion element generates measurement light LM of a measurement wavelength whose phase is maintained with relative to the pair of light beams LP incident thereon. The measurement light is irradiated to an object for measurement 50, and the detection light is then made incident on the second wavelength conversion element. From reference light LR that carries the phase of the pair of light beams and light for which the phase is to be determined in the detection light LS, the second wavelength conversion element generates modulated reference light LD. The modulated reference light is modulated to have first and second local intensities in accordance with the first and second phases of detection light that are influenced respectively by first and second points under illumination in the illumination area. The first and second local intensities are then measured by the light intensity sensor array 168.

IPC 8 full level

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CPC (source: EP US)

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